

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(optical adj1 system) same (photon adj1 source) same (optical adj1 network)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 19:48
L2	2	(optical adj1 system) and (photon adj1 source) and (optical adj1 network)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 19:48
L3	233117	(optical adj1 system) (controlled adj1 "not" adj1 gate) (CNOT adj1 gate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 19:49
L4	28	3 and (photon adj1 pair)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 19:50
L5	24	4 and entangled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 20:34
L6	3	(quantum adj1 game)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 19:52
L7	0	(public adj1 good adj1 game)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 19:53
L8	2	pair-wise adj1 entangle\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 19:56
L9	2	((pair-wise) (round adj1 robin)) adj1 entangle\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 19:55
L10	9	("5086483"   "5768297"   "5838436"   "5917322").PN. OR ("6081882").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/20 20:29

## EAST Search History

L11	138601	((optical adj1 system) (photon adj1 source))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/20 20:31
L12	1438	11 and (optical adj1 network)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/20 20:31
L13	4	12 and (photon adj1 pair)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/20 20:31
L14	7	("20020081825"   "4961196"   "5386429"   "5442649"   "5607876"   "6177684").PN. OR ("6864501"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/20 20:35
L15	1	("2005/0094142").URPN.	USPAT	OR	OFF	2007/01/20 20:35

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L1	1822	(superconducting adj1 quantum adj1 interference adj1 devices) SQUIDS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 21:23
L2	8990	(superconducting adj1 quantum adj1 interference adj1 devices) SQUIDS (NMR adj1 systems) (individual adj1 atoms) (individual adj1 molecules) (individual adj1 ions) (cavity adj1 (quantum electro-dynamic) QED adj1 system) (photonic adj1 systems)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 21:27
L3	1	2 and (quantum adj1 game)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 21:27
L4	89	2 and (quantum adj1 information)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 21:38
L5	362	station and (polarizing adj1 beam adj1 splitter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 21:38
L6	14	station same (polarizing adj1 beam adj1 splitter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 21:39



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[Continuous Frequency Entanglement: Effective Finite Hilbert Space and Entropy Control - group of 4 »](#)

CK Law, IA Walmsley, JH Eberly - Physical Review Letters, 2000 - APS

... and effectively finite basis for characterizing **pairwise entanglement**. ... entropy control in two-**photon** pulses generated ... ap-plications in **communication** have been ...

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[Pairwise entanglement and readout of atomic-ensemble and optical wave-packet modes in traveling-wave ... - group of 5 »](#)

W Wasilewski, MG Raymer - Physical Review A, 2006 - APS

... is necessary for quantum **communication** and computation ... 8. **Photon** count probability distribution  $p(\Delta n)$  ... **PAIRWISE ENTANGLEMENT AND READOUT OF 1/4 PHYSICAL REVIEW ...**

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[Demonstrating multipartite entanglement of single-particle W states: linear optical schemes - group of 2 »](#)

H Nha, J Kim - Arxiv preprint quant-ph/0608055, 2006 - arxiv.org

... to demonstrate inseparability of W-type N-partite entangled states containing only a single **photon**. First, we show that the **pairwise entanglement** of arbitrary ...

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[Entanglement creation using quantum interrogation - group of 14 »](#)

A Gilchrist, AG White, WJ Munro - Physical Review A, 2002 - APS

... under local operations and classical **communication** ~LOCC ... initially in superpositions, the **photon** probes each ... The uW& state has only **pairwise entanglement**, so we ...

Cited by 5 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[... approach for studying local operations and classical communication transformations of multipartite ... - group of 5 »](#)

SK Singh, SP Pal, S Kumar, R Srikanth - Journal of Mathematical Physics, 2005 - link.aip.org

... with only EPR pairs permitted for **pairwise entanglement** between agents ... SamalM.K., (private **communication**). ... Entangling independent pulsed **photon** sources," Ann. ...

[Web Search](#) - [BL Direct](#)

[Realization of symmetric sharing of entanglement in semiconductor microcrystallites coupled by a ... - group of 7 »](#)

Y Liu, A Miranowicz, M Koashi, N Imoto - Physical Review A, 2002 - APS

... is essentialfor most quantum **communication** schemes ... only thesymmetric sharing of the

**pairwise entanglement** but also ... the exciton-excitonand exciton-**photon** can be ...

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[Quantum entanglement as a quantifiable resource - group of 6 »](#)

WK Wootters - Philosophical Transactions: Mathematical, Physical and ..., 1998 -

journals.royalsoc.ac.uk

... and I review two potential applications of entanglement in the field of **communication**: dense coding ... 1972)), and by the split- ting of a single **photon** into two ...

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[book] [Decoherence, Entanglement And Information Protection in Complex Quantum Systems: Proceedings of the ...](#)

SED T Pellegrin - 2005 - [books.google.com](#)

... the nuclear collision time is of the order of the **photon** time-of ... entangle- ment in QUACS which may render invalid concept of **pairwise entanglement** of the probe ...

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[Quantum Entanglement as a Quantifiable Resource \[and Discussion\]](#)

W K Wootters, W S Leng - Philosophical Transactions: Mathematical, Physical and ..., 1998 - JSTOR

... into the language of **photon** polarization, one ... only local operations and classical **communication** (Bennett et ... exist only at the expense of **pairwise entanglement**. ...


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[Continuous Quantum Measurement with Multiple Observers](#)

J Dziarmaga, D A Dalvit, W H Zurek - Arxiv preprint quant-ph/0107033, 2001 - [arxiv.org](#)

... The **photon** emitted inside a cavity can reflect ... open the possibility of faster than light **communication**. ... V, VI fall in the category of the **pairwise entanglement**. ...

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+"pairwise entanglement"

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X Wang, K Mølmer - The European Physical Journal D-Atomic, Molecular and ..., 2002 - Springer

... **Pairwise entanglement** in symmetric multi-qubit systems X. Wang and K. Mølmer a ... X. Wang and K. Mølmer: **Pairwise entanglement** in symmetric multi-qubit systems ...

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**Studying Quantum Spin Systems through Entanglement Estimators - group of 7 »**

T Roscilde, P Verrucchi, A Fubini, S Haas, V ... - Physical Review Letters, 2004 - APS

... The concurrence [18] quantifies instead the **pairwise entanglement** between two spins at sites  $i, j$  both at zero and finite temperature. ...

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**Dynamics of Entanglement in Quantum Computers with Imperfections - group of 7 »**

S Montangero, G Benenti, R Fazio - Physical Review Letters, 2003 - APS

... The dynamics of the **pairwise entanglement** in a qubit lattice in the presence of static imperfections exhibits different regimes. ...

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**Spin squeezing and pairwise entanglement for symmetric multiqubit states - group of 9 »**

X Wang, BC Sanders - Physical Review A, 2003 - APS

Spin squeezing and **pairwise entanglement** for symmetric multiqubit states. ... and ~29!, we obtain the proposition. j SPIN SQUEEZING AND PAIRWISE ENTANGLEMENT ...

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**Continuous Frequency Entanglement: Effective Finite Hilbert Space and Entropy Control - group of 4 »**

CK Law, IA Walmsley, JH Eberly - Physical Review Letters, 2000 - APS

... We derive a set of two-photon mode functions that provide an exact, discrete, and effectively finite basis for characterizing **pairwise entanglement**. ...

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**Thermal and ground-state entanglement in Heisenberg XX qubit rings - group of 7 »**

X Wang - Physical Review A, 2002 - APS

... A general result is found that for even-number rings, **pairwise entanglement** between nearest-neighbor qubits is independent of both the sign of exchange ...

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**Enhanced thermal entanglement in an anisotropic Heisenberg XYZ chain - group of 5 »**

L Zhou, HS Song, YQ Guo, C Li - Physical Review A, 2003 - APS

... improves the critical temperature  $T_c$ , but also enhances the entanglement for a particular fixed  $B$ . We also analyze the **pairwise entanglement** between nearest ...

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Entanglement sharing among quantum particles with more than two orthogonal states - group of 4 »

KA Dennison, WK Wootters - Physical Review A, 2001 - APS

... It makes sense, then, to ask how large one can make the minimum **pairwise entanglement**,

the minimum being taken over all pairs @4#. In this paper we address this ...

[Cited by 20](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Quantum entanglement and Bell inequalities in Heisenberg spin chains - group of 10 »

X Wang, P Zanardi - Arxiv preprint quant-ph/0202108, 2002 - arxiv.org

... 1 corresponds to a maximally entangled state. The Heisenberg model and **pairwise entanglement**. We consider a physical model of a ...

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Entanglement and the Phase Transition in Single-Mode Superradiance - group of 8 »

N Lambert, C Emary, T Brandes - Physical Review Letters, 2004 - APS

... We present here exact solutions for the entanglement between these two subsystems, and for the **pairwise entanglement** between atoms at and away from the ...

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